RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/783, 9313Source: TFW16Date Processed by STIC: 10/27/2005

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 10/27/2005
PATENT APPLICATION: US/09/783,931B TIME: 11:56:30

Input Set : D:\2nd Substi SEQLIST 7326-122 (as filed).TXT

Output Set: N:\CRF4\10272005\1783931B.raw

```
4 <110> APPLICANT: Ish-Horowicz, David
         Henrique , Domingos Manuel Pinto
         Lewis, Julian Hart
 6
 7
        Artavanis Tsakonas, Spyridon
         Gray, Grace
10 <120> TITLE OF INVENTION: ANTIBODIES TO VERTEBRATE DELTA PROTEINS
         AND FRAGMENTS
13 <130> FILE REFERENCE: 7326-122-999
                                                            CPATÓ,
15 <140> CURRENT APPLICATION NUMBER: 09/783,931B
16 <141> CURRENT FILING DATE: 2001-02-15
18 <150> PRIOR APPLICATION NUMBER: 08/981,392
19 <151> PRIOR FILING DATE: 1997-12-22
21 <150> PRIOR APPLICATION NUMBER: PCT/US96/11178
22 <151> PRIOR FILING DATE: 1996-06-28
24 <150> PRIOR APPLICATION NUMBER: 60/000,589
25 <151> PRIOR FILING DATE: 1995-06-28
27 <160> NUMBER OF SEQ ID NOS: 95
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
31 <210> SEO ID NO: 1
32 <211> LENGTH: 2508
33 <212> TYPE: DNA
34 <213> ORGANISM: Gallus gallus
36 <220> FEATURE:
37 <221> NAME/KEY: CDS
38 <222> LOCATION: (277)...(2460)
39 <223> OTHER INFORMATION: Chick Delta (C-Delta-1) gene
41 <400> SEQUENCE: 1
42 gaatteggea egaggttitt titttittt tieceetett tietttett teettigee 60
43 atccgaaaga gctgtcagcc gccgccgggc tgcacctaaa ggcgtcggta gggggataac 120
44 agtcagagac cctcctgaaa gcaggagacg ggacggtacc cctccggctc tgcggggcgg 180
45 ctgcggcccc tccgttcttt ccccctcccc gagagacact cttcctttcc ccccacgaag 240
46 acacaggggc aggaacgcga gcgctgcccc tccgcc atg gga ggc cgc ttc ctg
47
                                           Met Gly Gly Arg Phe Leu
48
50 ctg acg ctc gcc ctc ctc tcg gcg ctg ctg tgc cgc tgc cag gtt gac
                                                                      342
51 Leu Thr Leu Ala Leu Leu Ser Ala Leu Leu Cys Arg Cys Gln Val Asp
                10
                                    15
54 ggc tcc ggg gtg ttc gag ctg aag ctg cag gag ttt gtc aac aag aag
                                                                      390
55 Gly Ser Gly Val Phe Glu Leu Lys Leu Gln Glu Phe Val Asn Lys Lys
56
            25
                                30
58 ggg ctg ctc agc aac cgc aac tgc tgc cgg ggg ggc ggc ccc gga ggc
                                                                      438
59 Gly Leu Leu Ser Asn Arg Asn Cys Cys Arg Gly Gly Gly Pro Gly Gly
60
        40
                            45
```

Input Set : D:\2nd Substi SEQLIST 7326-122 (as filed).TXT
Output Set: N:\CRF4\10272005\1783931B.raw

								•	,								
62	gcc	aaa	caq	caq	caq	tac	qac	tac	aaq	acc	ttc	ttc	cac	atc	tac	ctq	486
	Āla						-	-									
64	55	-				60	-	•	-		65		-		-	70	
66	aag	cac	tac	cag	gcc	agc	gtc	tcc	ccc	gag	ccg	ccc	tgc	acc	tac	ggc	534
	Lys			-		-	_				_		-				
68					75					80					85		
70	agc	gcc	atc	acc	CCC	gtc	ctc	ggc	gcc	aac	tcc	ttc	agc	gtc	CCC	gac	582
71	Ser	Ala	Ile	Thr	Pro	Val	Leu	Gly	Ala	Asn	Ser	Phe	Ser	Val	Pro	Asp	
72				90					95					100			
74	ggc	gcg	ggc	.ggc	gcc	gac	CCC	gcc	ttc	agc	aac	CCC	atc	cgc	ttc	CCC	630
75	Gly	Ala	Gly	Gly	Ala	Asp	Pro	Ala	Phe	Ser	Asn	Pro	Ile	Arg	Phe	Pro	
76			105					110					115				
	ttc																678
79	Phe	Gly	Phe	Thr	Trp	Pro	Gly	Thr	Phe	Ser	Leu	Ile	Ile	Glu	Ala	Leu	
80		120					125					130					
	cac		_			_	_				_				_		726
	His	Thr	Asp	Ser	Pro	_	Asp	Leu	Thr	Thr		Asn	Pro	Glu	Arg		
	135					140					145					150	
	atc																774
	Ile	ser	Arg	ьeu		Tnr	GIn	Arg	HIS		Ата	vaı	GIY	GIU		Trp	
88	.		~~~	a+ a	155			~~~		160	~~~			.	165		000
	tcc Ser			_		_	_		_		_						822
92	Ser	GIII	Asp	170	піз	Ser	ser	GLY	175	1111	Asp	ьęи	цур	180	ser	ıyı	
	cgc	+++	ata		gat	gag	cac	tac		aaa	gaa	aac	tac		atc	ttc	870
	Arg																0,0
96	5		185	-1-				190	- 1	U-1			195				
	tgc	caa		cat	qac	gac	cac		aat	cac	ttc	acc		qqa	gag	cat	918
	Cys																
10	-	200		_	•	-	205		•			210	_	•		_	
10	2 ggd	gag	g aag	ggto	tgo	aac	cca	ggc	: tgg	g aag	g ggd	cag	g tad	tgo	c act	t gag	966
10	3 Gly	/ Gli	ı Lya	s Val	l Cys	s Asr	ı Pro	Gly	r Trp	Lys	Gly	/ Gli	ı Tyı	c Cys	s Thi	r Glu	
10	4 215	5				220)				225	5				230	
10	6 000	g att	t tg	t tto	g cct	ggg	g tgt	gac	gag	g cag	g cad	gg	c tto	c tgo	ga ga	c aaa	1014
10	7 Pro) Ile	e Cys	s Lev	ı Pro	Gly	Cys	s Asp	Glu	ı Glr	n His	Gly	y Phe	e Cys	s Ası	. Lys	
10					235					240					24!	-	
																t gac	1062
		_		_	_	_	_		_	_		_		_	_	s Asp	
11:)										_		
																g cca	1110
		ı Cys		_	д Туг	Pro	o GIZ	_		ı Hıs	GT?	Thi	_		n GI	n Pro	
110			265					270					275				1150
																cag	1158
120		280		s ASI	ı cys	GII			TIL	GIZ	(G1)			e Cys	s Ası	n Gln	
				, ta	. +~-	, ,,,+	285				. +~-	290		- ~~+	- ~~	c aca	1206
																a Thr	1200
	4 295		T VOI	Y	- Cya	300		, 1112	, шya	, 51(305	-	, voi	. GT)	, TI	310	
			r aad	. acc	r aat			ı adı	: tac	: act			- taa	י כמי	a cc1	999	1254
	90		- uul	. ucc	י אאי	. cas	ש ששש	, age	. cac	, act			- cg(- cyc		בצב -	1231

Input Set : D: $\2$ nd Substi SEQLIST 7326-122 (as filed).TXT

Output Set: N:\CRF4\10272005\I783931B.raw

127	Cys	Thr	Asn	Thr	Gly	Gln	Gly	Ser	Tyr	Thr	Cys	Ser	Cys	Arg	Pro	Gly	
128					315					320					325		
					-	-		att	_				_		_		1302
131	Tyr	Thr	Gly	Ser	Ser	Cys	Glu	Ile	Glu	Ile	Asn	Glu	Cys	Asp	Ala	Asn	
132				330					335					340			
								tgc									1350
135	Pro	Cys	Lys	Asn	Gly	Gly	Ser	Cys	Thr	Asp	Leu	Glu	Asn	Ser	Tyr	Ser	
136			345					350					355				
								tat									1398
139	Cys		Cys	Pro	Pro	Gly	Phe	Tyr	Gly	Lys	Asn	Cys	Glu	Leu	Ser	Ala	
140		360					365					370					
	_		_	_	_		_	tgc									1446
		Thr	Cys	Ala	Asp	_	Pro	Cys	Phe	Asn	_	Gly	Arg	Cys	Thr	_	
	375					380					385					390	
			_				_	tgc	-	-		_					1494
	Asn	Pro	Asp	GLY	_	Tyr	Ser	Cys	Arg		Pro	Leu	GLY	Tyr		GIY	
148					395					400					405		
			_	_	_			gat		_	_		_		_	_	1542
	Pne	Asn	Cys		гàг	ьуs	тте	Asp	_	Cys	ser	ser	ser		Cys	Ala	
152				410					415					420			1500
								ctg									1590
	Asn	GIY		GIn	Cys	vaı	Asp	Leu	GIY	Asn	ser	Tyr		Cys	GIN	Cys	
156		~~+	425			~~~		430		~~~	~~~		435	~~~	~~+		1620
								cac His									1638
160	GIII	440	Gry	Pile	1111	GIY	445	птэ	Cys	Asp	Asp	450	vaı	Asp	Asp	Cys	
	aaa		++0	000	taa	at a		~~~	aaa	200	+~+		a a t	aaa	ata	220	1686
					_	_		gga Gly				-	_		_		1000
	455	Ser	FIIC	FIO	Суъ	460	Veii	Gry	СТУ	1111	465	GIII	Asp	Gry	vai	470	
		tac	tcc	tac	acc		ccc	ccg	aaa	tac		aaa	aad	aac	tac		1734
	_			_		_		Pro					_				1731
168	1.05	-1-	501	0,0	475	O, D			O-1	480		017	_,,	11011	485	502	
	acq	cca	ata	agc		tac	σaσ	cac	aac		tac	cac	aat	aaa		acc	1782
								His									
172				490	3	-1-			495		-1 -			500			
174	tqc	cac	qaq	aqa	aqc	aac	cqc	tac	qtq	tqc	qaq	tqc	qct	cqq	qqc	tac	1830
								Tyr									
176	•		505				J	510		•		•	515	_	-	-	
178	ggc	ggc	ctc	aac	tgc	cag	ttc	ctg	ctc	ccc	gag	cca	cct	cag	ggg	ccg	1878
179	Gly	Gly	Leu	Asn	Cys	Gln	Phe	Leu	Leu	Pro	Glu	Pro	Pro	Gln	Gly	Pro	
180	_	520			-		525					530			_		
182	gtc	atc	gtt	gac	ttc	acc	gag	aag	tac	aca	gag	ggc	cag	aac	agc	cag	1926
183	Val	Ile	Val	Asp	Phe	Thr	Glu	Lys	Tyr	Thr	Glu	Gly	Gln	Asn	Ser	Gln	
184	535					540					545					550	
186	ttt	ccc	tgg	atc	gca	gtg	tgc	gcc	ggg	att	att	ctg	gtc	ctc	atg	ctg	1974
187	Phe	Pro	${\tt Trp}$	Ile	Ala	Val	Cys	Ala	Gly	Ile	Ile	Leu	Val	Leu	Met	Leu	
188					555					560					565		
								gtc									2022
191	Leu	Leu	Gly	Cys	Ala	Ala	Ile	Val	Val	Cys	Val	Arg	Leu	Lys	Val	Gln	

Input Set : D:\2nd Substi SEQLIST 7326-122 (as filed).TXT
Output Set: N:\CRF4\10272005\I783931B.raw

192 570 575 194 aag agg cac cac cag ccc gag gcc tgc agg agt gaa acg gag acc atg 2070 195 Lys Arg His His Gln Pro Glu Ala Cys Arg Ser Glu Thr Glu Thr Met 198 aac aac ctg gcg aac tgc cag cgc gag aag gac atc tcc atc agc gtc 2118 199 Asn Asn Leu Ala Asn Cys Gln Arg Glu Lys Asp Ile Ser Ile Ser Val 605 202 atc ggt gcc act cag att aaa aac aca aat aag aaa gta gac ttt cac 2166 203 Ile Gly Ala Thr Gln Ile Lys Asn Thr Asn Lys Lys Val Asp Phe His 620 206 agc gat aac tcc gat aaa aac ggc tac aaa gtt aga tac cca tca gtg 2214 207 Ser Asp Asn Ser Asp Lys Asn Gly Tyr Lys Val Arg Tyr Pro Ser Val 635 640 210 gat tac aat ttg gtg cat gaa ctc aag aat gag gac tct gtg aaa gag 2262 211 Asp Tyr Asn Leu Val His Glu Leu Lys Asn Glu Asp Ser Val Lys Glu 650 655 214 gag cat ggc aaa tgc gaa gcc aag tgt gaa acg tat gat tca gag gca 215 Glu His Gly Lys Cys Glu Ala Lys Cys Glu Thr Tyr Asp Ser Glu Ala 665 670 675 216 218 gaa gag aaa agc gca gta cag cta aaa agt agt gac act tct gaa aga 2358 219 Glu Glu Lys Ser Ala Val Gln Leu Lys Ser Ser Asp Thr Ser Glu Arg 685 222 aaa cgg cca gat tca gta tat tcc act tca aag gac aca aag tac cag 2406 223 Lys Arg Pro Asp Ser Val Tyr Ser Thr Ser Lys Asp Thr Lys Tyr Gln 705 226 tcg gtg tac gtc ata tca gaa gag aaa gat gag tgc atc ata gca act 2454 227 Ser Val Tyr Val Ile Ser Glu Glu Lys Asp Glu Cys Ile Ile Ala Thr 228 715 720 230 gag gtg taaaacagac gtgacgtggc aaagcttatc gataccgtca tcaagctt 2508 231 Glu Val 235 <210> SEQ ID NO: 2 236 <211> LENGTH: 728 237 <212> TYPE: PRT 238 <213> ORGANISM: Gallus gallus 240 <400> SEQUENCE: 2 241 Met Gly Gly Arg Phe Leu Leu Thr Leu Ala Leu Leu Ser Ala Leu Leu 242 1 243 Cys Arg Cys Gln Val Asp Gly Ser Gly Val Phe Glu Leu Lys Leu Gln 20 25 245 Glu Phe Val Asn Lys Lys Gly Leu Leu Ser Asn Arg Asn Cys Cys Arg 40 247 Gly Gly Gly Pro Gly Gly Ala Gly Gln Gln Cys Asp Cys Lys Thr 249 Phe Phe Arq Val Cys Leu Lys His Tyr Gln Ala Ser Val Ser Pro Glu 250 65 75 251 Pro Pro Cys Thr Tyr Gly Ser Ala Ile Thr Pro Val Leu Gly Ala Asn 253 Ser Phe Ser Val Pro Asp Gly Ala Gly Gly Ala Asp Pro Ala Phe Ser 254 100 105

Input Set : D:\2nd Substi SEQLIST 7326-122 (as filed).TXT
Output Set: N:\CRF4\10272005\I783931B.raw

255	Asn	Pro	Ile	Arg	Phe	Pro	Phe	Gly	Phe	Thr	\mathtt{Trp}	Pro	Gly	Thr	Phe	Ser
256			115					120					125			
257	Leu	Ile	Ile	Glu	Ala	Leu	His	Thr	Asp	Ser	Pro	Asp	qzA	Leu	Thr	Thr
258		130					135					140				
259	Glu	Asn	Pro	Glu	Arg	Leu	Ile	Ser	Arg	Leu	Ala	Thr	Gln	Arg	His	
	145					150					155					160
261	Ala	Val	Gly	Glu	Glu	Trp	Ser	Gln	Asp		His	Ser	Ser	Gly	Arg	Thr
262					165					170					175	
	Asp	Leu	Lys	_	Ser	Tyr	Arg	Phe		Cys	Asp	Glu	His	Tyr	Tyr	Gly
264				180					185					190		
	Glu	Gly	-	Ser	Val	Phe	Cys	_	Pro	Arg	Asp	Asp	Arg	Phe	Gly	His
266			195					200					205			
	Phe		Cys	Gly	Glu	Arg	_	Glu	Lys	Val	Cys		Pro	Gly	Trp	Lys
268		210		_			215					220				
	Gly	Gln	Tyr	Cys	Thr		Pro	Ile	Cys	Leu		Gly	Cys	Asp	Glu	
	225		1	_	_	230	_			_	235	_	_			240
	His	GIY	Phe	Cys	_	Lys	Pro	GLY	Glu	_	Lys	Cys	Arg	Val	_	Trp
272			_	_	245	_		_		250	_	_		_	255	'
	Gln	GIY	Arg	_	Cys	Asp	GIu	Cys		Arg	Tyr	Pro	GIY	_	Leu	His
274	~7	m1	~ .	260	~ 1	_	_	~1	265	_	~	~1	~3	270	_	~3
	Gly	Thr	_	GIN	GIn	Pro	Trp		Cys	Asn	Cys	GIn		GIY	Trp	GIY
276		•	275	G	3	~ 1	•	280	•	m	~	m\	285	*** -	T	D
	Gly		Pne	Cys	Asn	GIN	_	ьeu	Asn	Tyr	Cys		HIS	HIS	гла	Pro
278	0	290	7 ~~	a 1	71.	mb	295	mb	7	mb so	~1	300	~1	Com	M	mb so
	Cys 305	ьув	ASII	GIY	Ala	310	Cys	THE	ASII	THE	315	GIII	GIY	ser	TYL	320
	Cys	802	Carc	7~~	Dro		Тиг	Th.~	C1.	602		Cva	<i>(</i> C111	T10	C111	
282	Cys	Ser	Cys	Arg	325	GIY	ıyı	1111	GIY	330	SEI	Cys	GIU	116	335	TIE
	Asn	Glu	Cve	Aen		Δen	Pro	Cve	Lvc		Glv	G1 v	Ser	Cve		Δen
284	Hom	GIU	Cys	340	Αια	Pall	FIO	Cys	345	POII	Gry	Gry	DCI	350	1111	тэр
	Leu	Glu	Asn		Tur	Ser	Cvs	Thr		Pro	Pro	Glv	Phe		Glv	Lvs
286	шси	014	355	JCI	- 7 -	001	Cys	360	Cys	110	110	017	365	+ 1 +	O ± 3	11,10
	Asn	Cvs		Len	Ser	Ala	Met		Cvs	Δla	Asp	Glv		Cvs	Phe	Asn
288		370					375		- 1.5			380		•1•		
	Gly		Ara	Cvs	Thr	Asp		Pro	Asp	Glv	Glv		Ser	Cvs	Ara	Cvs
	385	1	5	-1-		390			F	1	395	-1-		-1-	3	400
	Pro	Leu	Gly	Tyr	Ser		Phe	Asn	Cys	Glu		Lys	Ile	qaA	Tyr	Cvs
292			•	•	405	-			-	410	•	-		-	415	•
	Ser	Ser	Ser	Pro	Cys	Ala	Asn	Gly	Ala	Gln	Cys	Val	Asp	Leu	Gly	Asn
294				420	•			•	425		•		-	430	•	
295	Ser	Tyr	Ile	Cys	Gln	Cys	Gln	Ala	Gly	Phe	Thr	Gly	Arg	His	Cys	Asp
296		-	435	-		_		440	_			_	445		_	_
297	Asp	Asn	Val	Asp	Asp	Cys	Ala	Ser	Phe	Pro	Cys	Val	Asn	Gly	Gly	Thr
298	-	450		_	_	_	455				-	460		_	_	
299	Cys	Gln	Asp	Gly	Val	Asn	Asp	Tyr	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Tyr
	465		_	-		470	_	·		•	475	•			-	480
301	Asn	Gly	Lys	Asn	Cys	Ser	Thr	Pro	Val	Ser	Arg	Cys	Glu	His	Asn	Pro
302					485					490					495	
303	Cys	His	Asn	Gly	Ala	Thr	Cys	His	Glu	Arg	Ser	Asn	Arg	Tyr	Val	Cys

Input Set : D:\2nd Substi SEQLIST 7326-122 (as filed).TXT

Output Set: N:\CRF4\10272005\1783931B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:15; Xaa Pos. 4
Seq#:16; Xaa Pos. 11,15,23,24,28
Seq#:17; Xaa Pos. 41
Seq#:18; Xaa Pos. 34,35,39,44,96
Seq#:19; Xaa Pos. 1,19,23,32,33,36,43
Seq#:23; Xaa Pos. 25,34,35,38,97
Seq#:24; N Pos. 854,973,984,1582,1787,1819,1864,1916,1951,2033,2152,2156
Seq#:24; N Pos. 2171,2183,2194,2212,2220,2226,2230,2244,2245,2264,2265,2266
Seq#:24; N Pos. 2287
Seq#:26; N Pos. 559,678,689,1287,1492,1524,1569,1621,1656,1738,1857,1861
Seq#:26; N Pos. 1876,1888,1899,1917,1925,1931,1935,1942,1943,1952,1953,1954
Seq#:26; N Pos. 1968
Seq#:33; Xaa Pos. 25
Seq#:34; Xaa Pos. 27
Seq#:35; Xaa Pos. 166,179
Seq#:36; Xaa Pos. 51
Seq#:37; Xaa Pos. 28,39
Seq#:40; Xaa Pos. 4,43,45,50,54
Seq#:41; Xaa Pos. 5,8
Seq#:42; Xaa Pos. 1,4,5
Seq#:43; Xaa Pos. 226,230
Seg#:45; Xaa Pos. 55
Seq#:46; Xaa Pos. 47,58,73,101,128,167,168,181,187
Seq#:47; Xaa Pos. 2,4,5,7,8,11,16
Seq#:51; Xaa Pos. 126
Seq#:52; Xaa Pos. 30,33
Seq#:60; Xaa Pos. 76
Seq#:61; Xaa Pos. 12
Seq#:62; Xaa Pos. 4,19,36,48,75
Seq#:63; Xaa Pos. 16,17,22,26,30
Seq#:64; Xaa Pos. 2,6,8,10,13,14,19
Seq#:81; N Pos. 6,12,18,21
Seq#:82; N Pos. 3,9,12,15
Seq#:86; N Pos. 3,9,15,18,21
Seq#:87; N Pos. 3,6,18
Seq#:89; N Pos. 3,15,18
Seq#:91; N Pos. 6,9,21
Seq#:93; N Pos. 6
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VERIFICATION SUMMARY

. . . .

PATENT APPLICATION: US/09/783,931B TIME: 11:56:31

Input Set : D:\2nd Substi SEQLIST 7326-122 (as filed).TXT
Output Set: N:\CRF4\10272005\1783931B.raw

DATE: 10/27/2005

```
L:1139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:1157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
M:341 Repeated in SeqNo=16
L:1183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:32
L:1215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:32
M:341 Repeated in SeqNo=18
L:1249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
M:341 Repeated in SeqNo=19
L:1324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:16
M:341 Repeated in SeqNo=23
L:1376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:840
M:341 Repeated in SeqNo=24
L:1448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:540
M:341 Repeated in SeqNo=26
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:16
L:1610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:16
L:1651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:160
M:341 Repeated in SeqNo=35
L:1680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:48
L:1703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:16
M:341 Repeated in SeqNo=37
L:1752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
M:341 Repeated in SeqNo=40
L:1777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:224
L:1898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:48
L:1923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:32
M:341 Repeated in SeqNo=46
L:1960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:2039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:112
L:2062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:16
M:341 Repeated in SeqNo=52
L:2193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:64
L:2220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
L:2241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0
M:341 Repeated in SeqNo=62
L:2272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0
M:341 Repeated in SeqNo=63
L:2295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0
M:341 Repeated in SeqNo=64
L:2583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:2599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:2645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0
L:2661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0
L:2690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:2719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:0
L:2748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:0
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